

Listing of Claims:

This listing of claims replaces all prior versions and listings of claims in the application.

1-8. (Canceled)

9. (Currently Amended) A flat heating surface type gas stove comprising:

a heat resistant glass top plate which is disposed over a burner;

wherein a gas-permeable porous body is disposed below said top plate, a space between said top plate and a surface of said gas-permeable porous body is assigned to a combustion space

where combustion gas is generated, and combustion gas to be generated in said combustion space is designed to be discharged through said gas-permeable porous body,

wherein said burner is a surface combustion burner having a side with an outer and inner periphery, a combustion surface of said surface combustion burner and a surface of said gas permeable porous body facing toward said combustion space, and

wherein the surface of said gas-permeable porous body is placed on the outer peripheral side of the combustion surface of said surface combustion burner; and

wherein the gas-permeable porous body is formed of silicon carbide or a material containing silicon carbide as a main component.

10. (Currently Amended) A flat heating surface type gas stove comprising:

 a heat resistant glass top plate which is disposed over a burner;

 wherein a gas-permeable porous body is disposed below said top plate, a space between said top plate and a surface of said gas-permeable porous body is ~~assigned to~~ a combustion space where combustion gas is generated, and combustion gas ~~to be~~ generated in said combustion space is ~~designed to be~~ discharged through said gas-permeable porous body,

 wherein said gas stove further comprises a combustion gas passageway communicated with a space located on a downstream side of combustion gas flow channel of gas-permeable porous body; an air passageway ~~for combustion~~; and a heat-exchanging means acting between the combustion gas passageway and the air passageway for combustion;

 wherein a mixed gas comprising a combustion gas and combustion air, which has been heated through heat exchange thereof with the combustion gas by means of said heat-exchanging means is ~~designed to be~~ fed to said burner; and

wherein the gas-permeable porous body is formed of silicon carbide or a material containing silicon carbide as a main component.